

This is a RED Stamp

**ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL**

Manual No.: 5-21000-OPS-GT
Procedure No.: Table of Contents, Rev 34
Page: 1 of 3
Effective Date: 02/01/93
Organization: Environmental Management

**THIS IS ONE VOLUME OF A SIX VOLUME SET
WHICH INCLUDES:**

VOLUME I: FIELD OPERATIONS (FO)
VOLUME II: GROUNDWATER (GW)
VOLUME III: GEOTECHNICAL (GT)
VOLUME IV: SURFACE WATER (SW)
VOLUME V: ECOLOGY (EE)
VOLUME VI: AIR (AP)

**TABLE OF CONTENTS
FOR VOLUME III: GEOTECHNICAL**

Procedure No.	Title	Rev. No.	Effective Date
GT.01	Logging Alluvial and Bedrock Material	2	05/12/92
DCN 92.01	Specialized Logging Form	2	11/13/92
DCN 93.01	Logging	2	01/15/93
*DCN 93.02	Logging Deliverables Standard Practices	2	01/25/93
GT.02	Drilling and Sampling Using Hollow Stem Auger Techniques	2	05/12/92
DCN 92.01	Superseded by DCN 92.03	2	07/27/92
DCN 92.02	Superseded by DCN 92.03	2	07/27/92
DCN 92.03	Addition of the Drum Characterization	2	07/27/92
DCN 92.04	Prevention of Down Hole Contamination	2	08/26/92
DCN 92.05	Field Modification	2	12/04/92
*DCN 93.01	Analytical Samples	2	01/25/93
GT.03	Isolating Bedrock from Alluvium with Grouted Surface Casing	2	05/12/92
DCN 92.03	Expired	2	09/03/92
GT.04	Rotary Drilling and Rock Coring	2	05/12/92

**DOCUMENT CLASSIFICATION REVIEW WAIVER
PER R.B. HOFFMAN, CLASSIFICATION OFFICE
JUNE 11, 1991**

ADMIN RECORD

A-SW-001119

**ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL**

Manual No.: 5-21000-OPS-GT
Procedure No.: Table of Contents, Rev 34
Page: 2 of 3
Effective Date: 02/01/93
Organization: Environmental Management

Procedure No.	Title	Rev. No.	Effective Date
GT.05	Plugging and Abandonment of Boreholes	2	05/12/92
DCN 92.01	Field Modification	2	12/09/92
GT.06	Monitoring Wells and Piezometer Installation	2	05/12/92
DCN 92.05	Schematic Diagram Land Fill Methane Wells	2	06/04/92
*DCN 92.06	EXPIRED (replaced with DCN 93.01)		
DCN 92.07	Provide Consistency	2	12/17/92
DCN 93.01	Borehole Advancement	2	01/04/93
*DCN 93.02	Well Point Installation	2	01/28/93
GT.07	Logging and Sampling of Test Pits and Trenches	2	05/12/92
GT.08	Surface Soil Sampling	2	05/12/92
DCN 92.01	Clarification of Soil Sampling	2	09/03/92
DCN 92.02	Consistency Change	2	10/12/92
DCN 93.01	Work Plan Consistency	2	01/05/93
DCN 93.02	New Section-Surficial Profiling	2	01/15/93
*DCN 93.03	CDH Compliance	2	01/25/93
GT.09	Soil Gas Sampling and Field Analysis	2	05/12/92
GT.10	Borehole Clearing	2	05/12/92
GT.11	Plugging and Abandonment of Wells	2	05/12/92
GT.15	Geophysical Borehole Logging	2	05/12/92
GT.17	Land Surveying	2	05/12/92
GT.18	Surface Geophysical Surveys	2	05/12/92
DCN 92.01	Surface Magnetic Surveys Procedure	2	09/30/92
DCN 92.02	Modification to Stacking Requirements	2	10/15/92
DCN 92.03	Modification to Method of Taking Readings	2	10/15/92
*DCN 93.01	5.4 Field Procedure Revisions	2	01/25/93

**ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL**

Manual No.: 5-21000-OPS-GT
Procedure No.: Table of Contents, Rev 34
Page: 3 of 3
Effective Date: 02/01/93
Organization: Environmental Management

<u>Procedure No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
GT.19	Field Gas Chromatographs	2	05/12/92
GT.20	Procedures for Soil Interstitial Water Sampling and Sampler Installation	2	05/12/92
GT.21	Cone Penetrometer Testing	1	05/12/92
DCN 93.01	CPT Rods	1	01/15/93
GT.24	Approval Process for Construction Activities on or Near Individual Hazardous Substance Sites (IHSSs)	0	05/12/92

5413 2/4/93 This is a #22

CONTROLLED DOCUMENT ENVIRONMENTAL MANAGEMENT
EG&G - ROCKY FLATS PLANT DOCUMENT CHANGE NOTICE (DCN)

ENVIRONMENTAL MANAGEMENT

This is a RED Stamp

Procedure Number 5-21000-OPS-GT.1, Rev. 2

Page 1 of 1

Title Logging Alluvial and Bedrock Material	Date <u>1/25/93</u> 1-5-93 MCB	DCN Number 5-21000-OPS-93.02
Expires <u>1-25-94</u> Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Scope Limitation <u>none</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	33 of 34	6.2.6 Logging Deliver- ables	<p>Add Section 6.2.6 Logging Deliverables after section 6.2.5 as follows:</p> <p>Immediately after all lithologic core data and borehole/well data for a boring has been recorded on Logging Form GT.1A, the core logger will contact the appropriate EG&G oversight personnel to arrange for core log QC and sign off by an approved EG&G geologist. All data will then be entered into electronic format using the EG&G specified core log software program and format. Draft hard copy logs and the associated electronic file will be delivered to EG&G within three weeks of the sign off date. EG&G personnel will inspect the draft copies, and if necessary will stipulate changes. The subcontractor will make changes within a week of receipt and will deliver a second draft log in both hard copy and digital format.</p> <p>Final logs and core photographs will be delivered to EG&G at a time specified by the EG&G contract or project manager. All final logs and photographs will be delivered in the EG&G standard format.</p>

Justification (Reason for Change - Provide Numbers To Reference Corresponding Items Above)

The above is currently standard practice.

DOCUMENT CLASSIFICATION REVIEW WAIVER
PER R.B. HOFFMAN, CLASSIFICATION OFFICE
JUNE 11, 1991

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	1/11/93	<i>[Signature]</i>	User	X	1/5/93
<i>[Signature]</i>	EQS		1-12-93	<i>[Signature]</i>	USER		1/5/93
<i>[Signature]</i>	ECM	X	1/20/93				
Approval of Responsible Manager <i>[Signature]</i>				Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, By What Date? <u>UPON RECEIPT</u>			
Date <u>1/5/93</u>				Date Posted			

DCN Form 001

JAN 25 1993